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 3 <110> APPLICANT: Inoue, Yasushi
 4        Fushimi, Naoya
 5        Mizubuchi, Hiroyuki
 6        Yamamoto, Yoshie
 7        Ohshima, Yoshie
 8        Yasutake, Nozomu
 9        Miyoshi, Shinsuke
11 <120> TITLE OF INVENTION: Promoters
13 <130> FILE REFERENCE: 3274-011309
15 <140> CURRENT APPLICATION NUMBER: 09/936,145
16 <141> CURRENT FILING DATE: 2001-09-07
18 <150> PRIOR APPLICATION NUMBER: PCT/JP00/01415
19 <151> PRIOR FILING DATE: 2000-03-08
21 <150> PRIOR APPLICATION NUMBER: US11/060904
22 <151> PRIOR FILING DATE: 1999-03-08
24 <150> PRIOR APPLICATION NUMBER: US11/286034
25 <151> PRIOR FILING DATE: 1999-10-06
27 <160> NUMBER OF SEQ ID NOS: 22
29 <170> SOFTWARE: Microsoft Word 97 SR-2
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 249
33 <212> TYPE: DNA
34 <213> ORGANISM: Bacillus amyloliquefaciens
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37 gccccgcaca tacgaaaaga ctggctgaaa acattgagcc tttgatgact gatgatttgg     60
38 ctgaagaagt ggatcgattg tttgagaaaa gaagaagacc ataaaaatac cttgtctgtc    120
39 atcagacagg gtattttta tgctgtccag actgtccgct gtgtaaaaaa taggaataaa    180
40 ggggggttgt tattatttta ctgatatgta aaatataatt tgtataagaa aatgagaggg    240
41 agaggatcc                                                            249
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 270
45 <212> TYPE: DNA
46 <213> ORGANISM: Bacillus amyloliquefaciens
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50 ctgaagaagt ggatcgattg tttgagaaaa gaagaagacc ataaaaatac cttgtctgtc    120
51 atcagacagg gtattttta tgctgtccag actgtccgct gtgtaaaaaa taggaataaa    180
52 ggggggttgt tattatttta ctgatatgta aaatataatt tgtataagaa aatgagaggg    240
53 agaggatcc ccgggtaccga gctcgaattc                                     270
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 29
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:04

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw

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60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
63 <400> SEQUENCE: 3
64 cgctctagag ccccgcacat acgaaaaga                                    29
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68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: Example of a primer
73        for introducing a restriction site
75 <400> SEQUENCE: 4
76 cgcgaattcg gatcctctcc ctctcatttt cttat                            35
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 50
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: Example of a primer
85        for introducing a restriction site
87 <400> SEQUENCE: 5
88 cgcgaattcg agctcggtac ccggggatcc tctccctctc attttcttat            50
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 29
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
98 <400> SEQUENCE: 6
99 cgcggatcca tgtattacaa caggttgtt                                   29
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 29
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
109 <400> SEQUENCE: 7
110 cgcgaattct cacacatact ccttcgtat                                  29
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 29
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
120 <400> SEQUENCE: 8
121 cgcggatcca tgtcttggtc aattagctc                                  29
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 29
125 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:04

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw

126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
131 <400> SEQUENCE: 9
132 aaagaattct taatcaacac gcccgttat   29
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 26
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
142 <400> SEQUENCE: 10
143 gtttcctctc cctctcattt tcttat   26
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 20
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
153 <400> SEQUENCE: 11
154 atgtattaca acaggttgtt   20
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 20
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
164 <400> SEQUENCE: 12
165 atgtcttggt caattagctc   20
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 29
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
175 <400> SEQUENCE: 13
176 cgcgaattca tgtattacaa caggttgtt   29
178 <210> SEQ ID NO: 14
179 <211> LENGTH: 29
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
186 <400> SEQUENCE: 14
187 cgcgaattca tgtcttggtc aattagctc   29
189 <210> SEQ ID NO: 15
190 <211> LENGTH: 1581
191 <212> TYPE: DNA
192 <213> ORGANISM: Agrobacterium radiobacter M36

RAW SEQUENCE LISTING   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:04

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw

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194 <220> FEATURE:
195 <221> NAME/KEY: Promoter
196 <222> LOCATION: 314..316
198 <220> FEATURE:
199 <221> NAME/KEY: Terminator
200 <222> LOCATION: 1559..1561
202 <220> FEATURE:
203 <221> NAME/KEY: Gene
204 <222> LOCATION: 341..1558
205 <223> OTHER INFORMATION: MIase structural gene
207 <400> SEQUENCE: 15
208 gatctgcgtg cccatggcac cgtcgagaat gaggatgcgt tcgctggcag cctcgcgcag    60
209 cgccttgaaa atttccgcgc cgtcgcgctt tgccccttca gggccaaaca gatcgtcaaa   120
210 cacgggcaca ctcctcattt cgatttgcaa gatcgcaagt cgtcaagtca cataaagata   180
211 tgtttatgtc aatatatctt caagggacag gcatggcttt gcgtcgttgc gtcacgttac   240
212 gaaatatcgc tgacagatga caggtttata cggcaaggat ataagccgaa gcagcaaacg   300
213 catggaggac gcaatgcccg aagacgatca caacagccgc aactggaata ccctgccctg   360
214 gcaccgccag tggctggtga aacaggccga gggacttttc gacttcttcc agtatcgcgc   420
215 cctcaatccc gccggcggtt tcttcgatct cgacgccaag ggcgcgccgc tgcaggcaaa   480
216 cgatcccgtg cgcggcatcc atgcctctgc gcgcatggtg cattgcttct ccatcggcca   540
217 cctgctcggc cggccgggct gcggcgatat cgtcgaccac ggcatgacct atctctggaa   600
218 caaacaccgc gatggcgaac atggcggtta tttctggcag gtgaacgatg ccggcccagt   660
219 ggacgccacc aagcagggtt atggccacgc cttcgtgctt ctggccgcct cttccgccaa   720
220 gaccgtcggc cacccgctgg ccgaccggat gctggctgat attaccgaag tgctggaaag   780
221 tcgtttctgg gaagaaaaac atggcgccat cgccgaggaa ttcaatcgcg actggtcgcc   840
222 catcgacaat tatcgcggcc agaactccaa tatgcacctc accgaagcgc tgatggccgc   900
223 ctatgaggtg accggcgaca ataactatct cagcaaggcc gaacgcatcg ccgatctcgt   960
224 catccgtcgc cgcgccggcg agctggattt ccgcgtgccc gagcatttcg acgacaactg  1020
225 gacgctggac aaggactatc gcggcaacga aatgttccgc ccctccggct ccacccccgg  1080
226 ccactggctg gaatgggcgc gtctcatcct gcaattgtgg atactgggcg aacgccgcca  1140
227 cgactggatg ccggtcgcgg ccaaatccct cttcgtgcag tccatggcgc tgggctggga  1200
228 ccgggaaaag ggcggcttct tttatacgct ggactggaat gacaatcccg acaagcgggc  1260
229 aaagctctgg tggcccatgt ccgaggcggc gggtgcggcc catttcctca acgagaacct  1320
230 gccggcggat ggcttctacg aagacagcta tcgtcgcatc tggagcacca tcgccaacaa  1380
231 ctccatcgac catgccaatg cgcggctggca tgaggaactg acggaagatc tggttcccgc  1440
232 ccacacgcta ttcccaggca agggcgatat ctaccatgcg ctccaggcct gcctcatccc  1500
233 gcttttcccg gcgacgggca gcctgacgaa ggtgatcaag gaaagcggcg gggattatta  1560
234 aggcgctctg cggccaatag c                                            1581
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
244 <400> SEQUENCE: 16
245 gcatctcgag catatgcgga tcctctccct ctcattttc                           39
247 <210> SEQ ID NO: 17
248 <211> LENGTH: 31
249 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:04

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw

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250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
255 <400> SEQUENCE: 17
256 gcatctcgag ggtaataaaa aaacacctcc a                              31
258 <210> SEQ ID NO: 18
259 <211> LENGTH: 30
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
266 <400> SEQUENCE: 18
267 gcatgaattc aaagcagcga tcccgatgaa                               30
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 283
271 <212> TYPE: DNA
272 <213> ORGANISM: Bacillus amyloliquefaciens
274 <400> SEQUENCE: 19
275 ctcgagggta ataaaaaaac acctccaagc tgagtgcggg tatcagcttg gaggtgcgtt   60
276 tatttttca gccgtatgac aaggtcggca tcaggtgtga caaatacggt atgctggctg   120
277 tcataggtga caaatccggg ttttgcgccg tttggctttt tcacatgtct gattttgta   180
278 taatcaacag gcacggagcc ggaatctttc gccttggaaa aataagcggc gatcgtagct   240
279 gcttccaata tggattgttc atcgggatcg ctgctttgaa ttc                  283
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 28
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
289 <400> SEQUENCE: 20
290 gcatcatatg cccgaagacg atcacaac                                 28
292 <210> SEQ ID NO: 21
293 <211> LENGTH: 31
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
300 <400> SEQUENCE: 21
301 gcatctcgag ttaataatcc ccgccgcttt c                             31
303 <210> SEQ ID NO: 22
304 <211> LENGTH: 21
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
311 <400> SEQUENCE: 22
312 atgcccgaag acgatcacaa c                                       21
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VERIFICATION SUMMARY   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:06

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw